

Workshop Technology MCQ Question Answer

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Question: 1. In a cold chamber die casting machine, only nonferrous alloys with _____ are casted.

- Option A. Low melting temperature
- Option B. High melting temperature
- Option C. Both (A) and (B)
- Option D. None of these

Question: 2. A diamond pointed chisel is used for cutting

- Option A. Flat surfaces
- Option B. Grooves
- Option C. Keyways
- Option D. V-shaped grooves

Question: 3. The machining allowance provided on patterns depends upon

- Option A. Type of casting metal
- Option B. Size and shape of casting
- Option C. Method of casting used
- Option D. All of these

Question: 4. The mode of deformation of the metal during spinning is

- Option A. Bending
- Option B. Stretching
- Option C. Rolling and stretching
- Option D. Bending and stretching

Question: 5. The diaphragm moulding machine is used to

- Option A. Ram the sand harder at the pattern face with decreasing hardness towards the back of the mould
- Option B. Ram the sand harder at the back of the mould and softer on the pattern face
- Option C. Produce uniform packing of sand in the mould
- Option D. Give uniform sand hardness throughout the mould

Question: 6. A two high rolling mill consists of two rolls which rotate

- Option A. At the same speed and in the same direction
- Option B. At the same speed but in opposite direction
- Option C. At different speeds and in the same direction
- Option D. At different speeds and in the opposite direction

Question: 7. The oxygen cylinder is usually painted with

- Option A. Black colour
- Option B. White colour
- Option C. Maroon colour
- Option D. Yellow colour

Question: 8. In arc welding, the electric arc is produced between the work and the electrode by

- Option A. Voltage
- Option B. Flow of current
- Option C. Contact resistance
- Option D. All of these

Question: 9. Riddle is used for

- Option A. Smoothing and cleaning out depressions in the mould
- Option B. Cleaning the moulding sand
- Option C. Moistening the sand around the edge before removing pattern
- Option D. Reinforcement of sand in the top part of moulding box

Question: 10. The fullers are used

- Option A. For finishing flat surfaces
- Option B. For necking down a piece of work
- Option C. For punching a hole
- Option D. To finish the punched hole

Question: 11. The surface to be left unmachined is marked on the pattern by

- Option A. Red colour
- Option B. Yellow colour
- Option C. Black colour
- Option D. Blue colour

Question: 12. In welding copper alloys with TIG arc welding

- Option A. Direct current with straight polarity is used
- Option B. Direct current with reversed polarity is used
- Option C. Alternating current is used
- Option D. Any one of these

Question: 13. In forehand welding, the angle between the welding torch and the work is _____ as compared to backhand welding.

- Option A. Same
- Option B. Less
- Option C. More
- Option D. None of these

Question: 14. A three high rolling mill consists of three rolls placed one above the other. Which of the following statement is correct?

Option A. The upper and middle rolls rotate in the same direction whereas the bottom roll rotates in opposite direction

Option B. The upper and bottom rolls rotate in the same direction whereas the middle roll rotates in opposite direction

Option C. The bottom and middle roll rotate in the same direction

Option D. Any one of the above

Question: 15. The purpose of a riser is to

Option A. Deliver molten metal into the mould cavity

Option B. Act as a reservoir for the molten metal

Option C. Feed the molten metal to the casting in order to compensate for the shrinkage

Option D. Deliver the molten metal from pouring basin to gate

Question: 16. The algebraic difference between the minimum limit and the basic size is called

Option A. Actual deviation

Option B. Upper deviation

Option C. Lower deviation

Option D. Fundamental deviation

Question: 17. In a bilateral system of tolerance, the tolerance is allowed on

Option A. One side of the actual size

Option B. One side of the nominal size

Option C. Both sides of the actual size

Option D. Both sides of the nominal size

Question: 18. Which one of the following material will require the largest size of riser for the same size of casting?

Option A. Aluminium

Option B. Cast iron

Option C. Steel

Option D. Copper

Question: 19. Projection welding is a

Option A. Continuous spot welding process

Option B. Multi-spot welding process

Option C. Arc welding process

Option D. Process used for joining round bars

Question: 20. Rotary swaging

Option A. Is extensively used for making bolts and rivets

Option B. Is used for reducing the diameters of round bars and a tube by rotating dies which open and close rapidly on the work

Option C. Is used to improve fatigue resistance of the metal by setting up compressive stresses in its surface

Option D. Consists of pressing the metal inside a chamber to force it out by high pressure through an orifice which is shaped to provide the desired form of the finished part

Question: 21. Which of the following statement is wrong?

Option A. The mortise gauge has two scribing pins

Option B. The gouges are chisels with a hollow shaped blade

Option C. An auger is a planing tool

Option D. All of these

Question: 22. Aluminium is the best material for making patterns because it is

Option A. Light in weight

Option B. Easy to work

Option C. Corrosion resistant

Option D. All of these

Question: 23. When the file is moved to and fro over the work, it is known as

Option A. Cross filing

Option B. Draw filing

Option C. Pull and push filing

Option D. None of these

Question: 24. The shrinkage allowance for cast iron pattern is

Option A. 10 mm/m

Option B. 16 mm/m

Option C. 20 mm/m

Option D. 26 mm/m

Question: 25. A hacksaw blade is specified by its

Option A. Length

Option B. Material

Option C. Width

Option D. Number of teeth

Question: 26. The directional solidification in casting can be improved by using

Option A. Chills and chaplets

Option B. Chills and padding

Option C. Chaplets and padding

Option D. Chills, chaplets and padding

Question: 27. When a pattern is made in three parts, the _____ is known as a drag.

- Option A. Bottom part
- Option B. Middle part
- Option C. Top part
- Option D. None of these

Question: 28. A hacksaw blade cuts on the

- Option A. Forward stroke
- Option B. Return stroke
- Option C. Both forward and return strokes
- Option D. Cutting depends upon the direction of force

Question: 29. The purpose of a gate is to

- Option A. Delivers molten metal into the mould cavity
- Option B. Act as a reservoir for the molten metal
- Option C. Feed the molten metal to the casting in order to compensate for the shrinkage
- Option D. Delivers molten metal from pouring basin to gate

Question: 30. Thermit welding is often used in

- Option A. Replacing broken gear teeth
- Option B. Repairing broken shears
- Option C. Joining rails, truck frames and locomotive frames etc.
- Option D. All of the above

Answer Sheet

1	B	
2	D	
3	D	
4	D	
5	D	
6	B	
7	A	
8	C	
9	B	
10	B	
11	C	
12	A	
13	C	
14	B	
15	C	
16	C	
17	D	
18	C	
19	B	
20	B	
21	C	
22	D	
23	B	
24	A	
25	A	
26	B	
27	A	
28	A	
29	A	
30	D	